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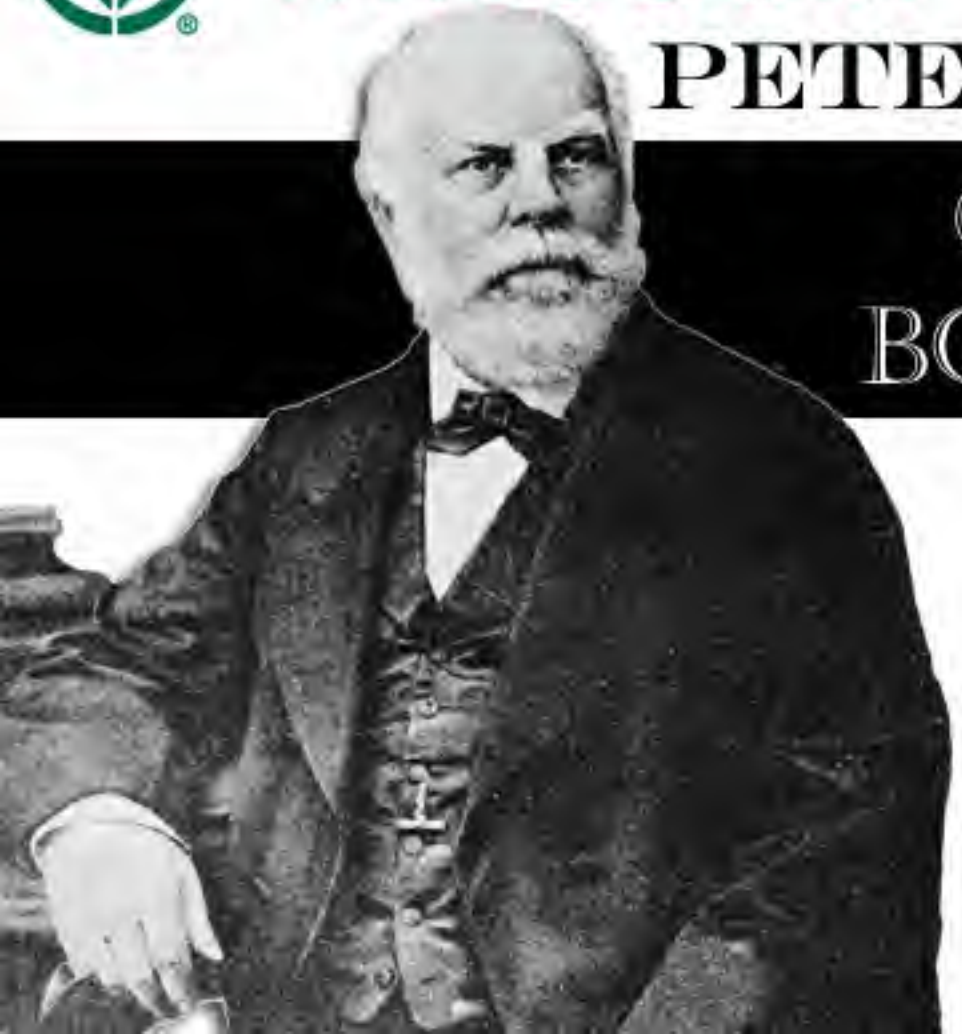

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II Gramini folii

3 Gramineæ

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GEORGE ENGELMANN PAPERS

297-369

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H. B. Fl. 1825~

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6028

Juncus ~~Congistylis~~ Aug 31 1866

~~var~~ *obtusatus* n sp

HG nom 42

Big Creek, Mariposa, July 25 1866

H Bolander

9256

Alex. Leitch,

APOTHECARY & CHEMIST,

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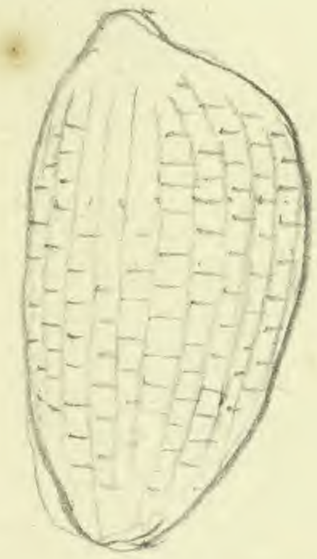
Pobliensatus

Yosemite valley

July 29 1867



about ⅞ nlis

visible

seed not ripe,

reticulate,

areae apparently

smooth

leaves as long as stem

no auricular stipules

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0.25
0.15

ALEX. LETTCH,
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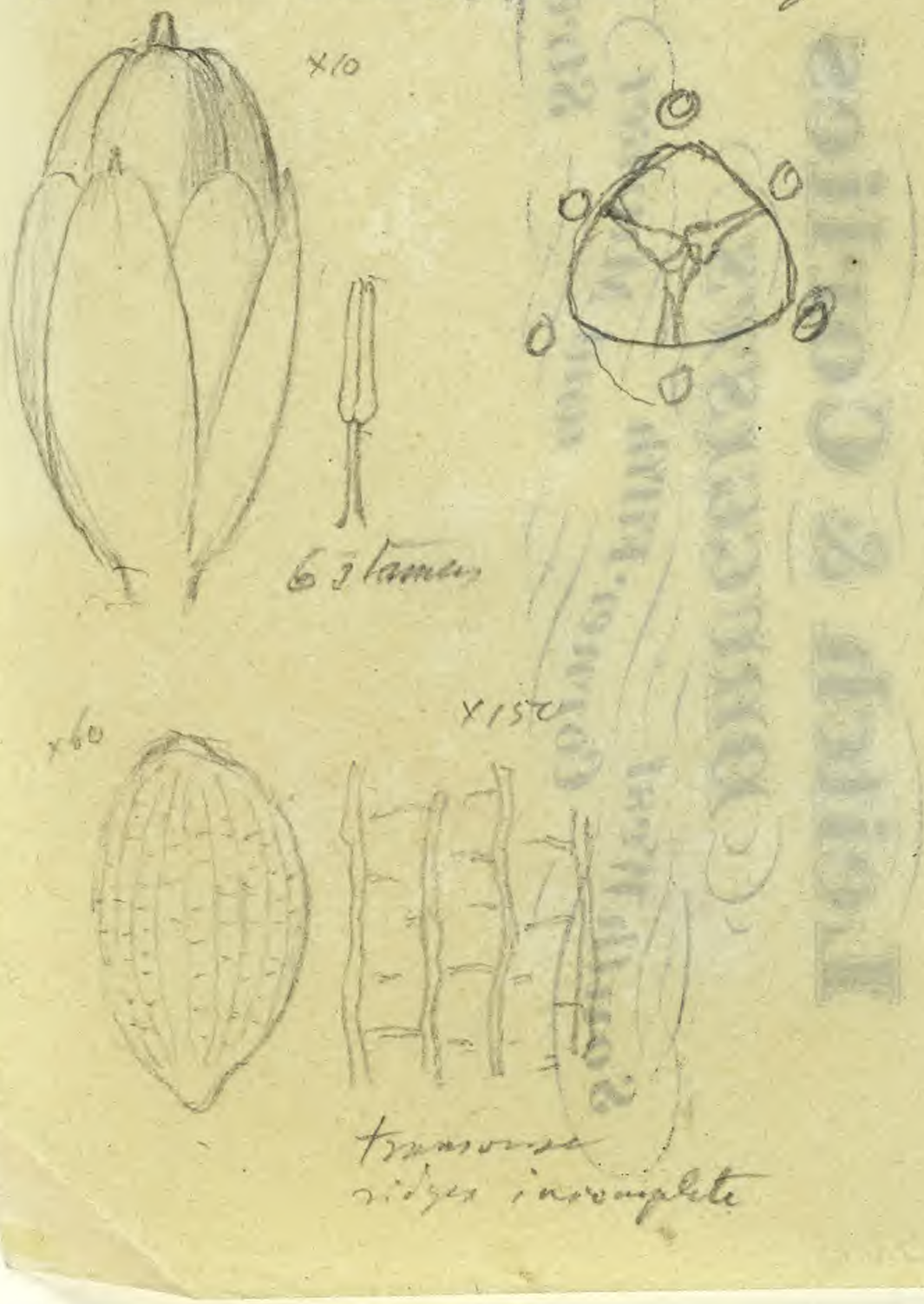
Nov 7 1881

Juncus Mexicanus

San Bernardino Mts

S. B. Parish Aug. 1881



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Leitch & Collies

SEEDSMEN

Southwest Corner Fifth and Market Streets

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297-308

interrupted descent and ascent took place from January to December, we find in 1862 some interruptions in the steps of that ladder. The electricity in February, 1862, is about four degrees higher than that of January, April somewhat higher than March, and July is the lowest instead of September in 1861. These trifling irregularities may be accounted for by differences in temperature and relative humidity, and by a greater number of thunderstorms in 1862. January of 1862, for instance, was so unusually rainy, that its relative humidity too was unusually high, diminishing thus electricity. But the general features of distribution of electricity throughout the year are apparent in both years, and we may in that respect divide the twelve months of each year into two or three groups. Computing the months which give the highest electricity and those which give the lowest in each year, we find that in both years the months of January, February, March, April, November and December exhibit the highest, and the months of May, June, July, August, September and October the lowest electricity. The first group gives

The aggregate monthly mean of	71.5	degrees	of electricity	in 1861
and	74.6	"	"	" 1862
While the second group gives	29.0	"	"	" 1861
and	25.7	"	"	" 1862

The second group prevailed therefore in 1861, and the
in 1862

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VI. The appearance of negative electricity was connected in

1861. No. times.	1862. No. times.	
30	32	with thunderstorms.
23	28	with rains without thunder and lightning.
20	4	with dry storms (without rain and without thunder and lightning).
4	3	with snow.
1	0	with fog.
78	67	

VII. *Relation of Rain and Snow to Electricity.*

Rain without thunderstorm was accompanied

	By Positive Electricity.	By Negative Electricity.	By no Electricity.
In 1861			

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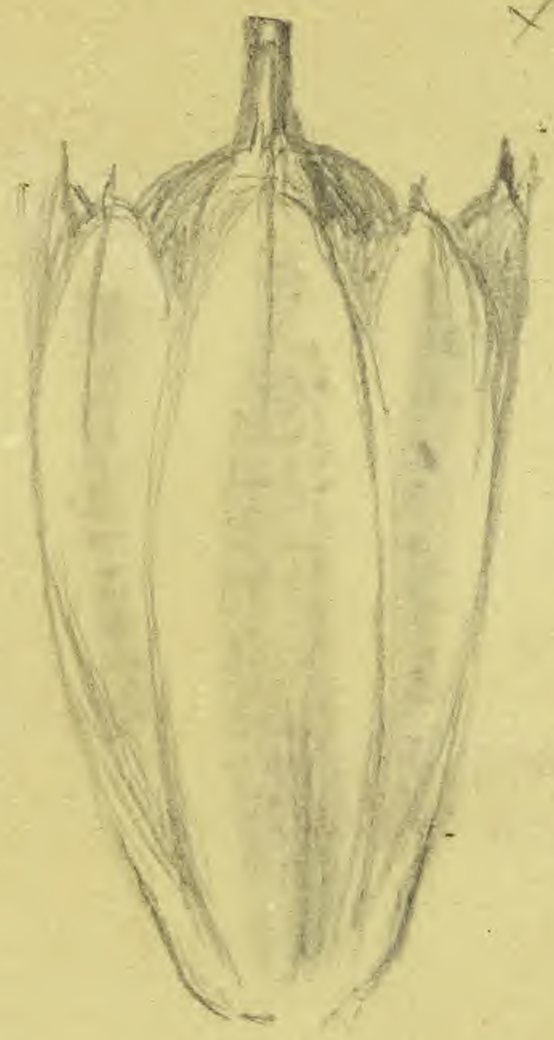
Inumm Congestiflei Tenn Aug 16 1965
Bot Rev 223
Wright 1924

x60

x10

not ripe



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Tenuis sect of stem x 10
Fendler 857

Meeziesii Aiton var Californica
Aug 19 1865

Hall's & Harv's the same
566 361

x60

March 1866
Covered

8-9 slight ribs
no cross bars
striolation minutest!

seed striated or ribbed
cross network scarcely visible
x150

x10

obtuse mucronate capsule as long or a little shorter than exserted sepals

anther

interior sepals shorter & more obtuse

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Juncus longistylis

s-6 non J. Castaneus

Nov 23 1865

Saskatchewan R. Bourgeau 1859

x60

x150

not fully ripe

Fort Colville

Dr Lyall 1861

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J. Magissii var

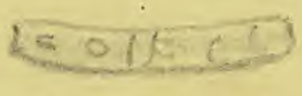
Hall. 566

Sept 2d 1865

× 10

Seed of stem

base



middle

Seed of leaf

seed of a leaf of
Fendleri

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6035?

146. non 44 Juncus Congestus

var Californicus

Yosemite Valley C.C. H Bolander

Aug 6 1866

July 4 1866

×60 → 7–8 nbs

× 150

large seed

area scarcely

sinulate

inner sepals rarely obtuse shorter

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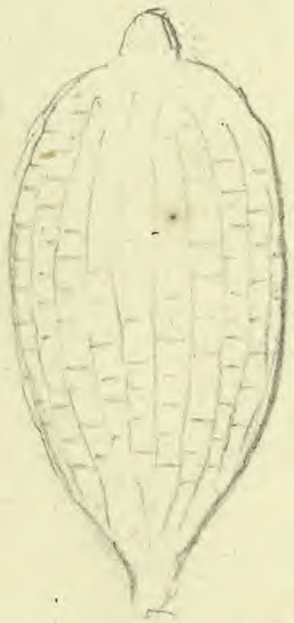
6029 Pinus longaeva July 31 1867

(Hb. norm 43) Banks of Mono Lake Sept 1866

Bolander

seed perfectly ripe

×60



venation 8–9 ribs, very delicate, more so than in most other species

unripened strongly ribbed!

large plant.

cones smooth

lower appendage and shape British

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6035

Iris macrosiphon var. *californica*

sepalis asperis

July 31 1867

Yosemite Valley

#6 Volcanic 1866

#6 norm 44

about 8 ribs
very distinct
but cross bars
faint; areae
almost smooth.

No circular
stipules

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S. Congestiflori

Oct 2 1867

Huachuca Val Cey

St Pany
Aug 1867

×60

Fruit six valvis
transversis instructo
tetragonato

very large placentae

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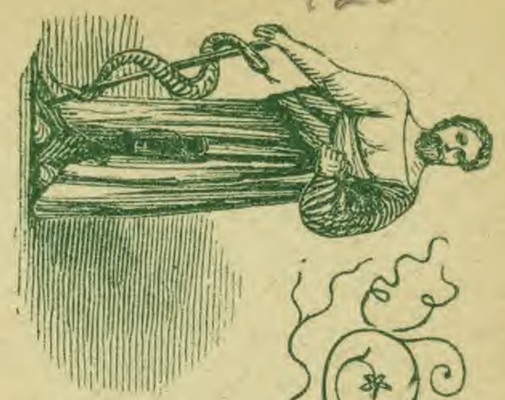

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Juncus Congestus

	H. H. Rusby.	Gray Expedition.	
Saskatchewan		Bourgeau (B)	
Fort Colville to R. Mts		Lyall	
H. Mts	1924	Wright 1924	1924
"	857	Fendler 857	857
Colorado	631	Parry 631	631
"	566	Hall 566	566
Fort Whipple.			Cones 48
Red River of the North			(Hubbard in Lapham)
Yosemite Valley, Cal'a			Boland

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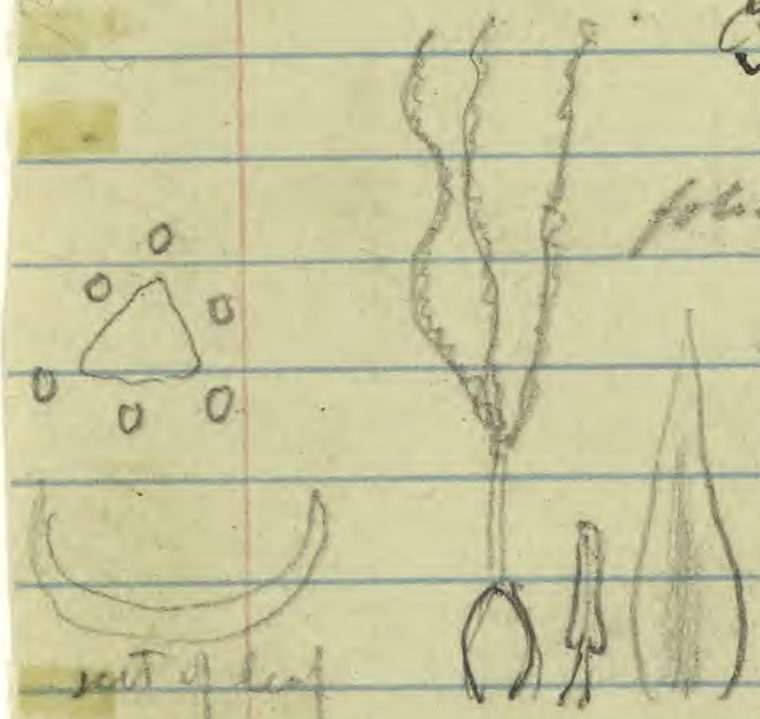
Sept 24 Taylor & LaPrairie Sawmill 4300' alt

Juncus longistylis

San Bernardino Mts.



Densely cespitose, stems
foliaceous, leaves compare
juncifolius Lax, basal 2-5 ft
sepals lanceolate very acute
green brown dry, membra-
ceous on margin
6 stamens, anthers 1/2 as
long as filaments, style
longer than 3 angled ovary
fruit as long as both.

scale of leaf

glomerules 3-5 fl.

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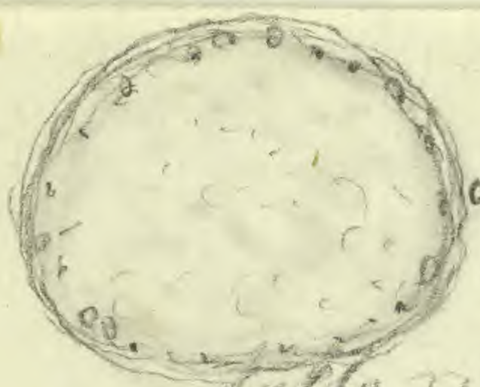
Tucson

April 24 1866

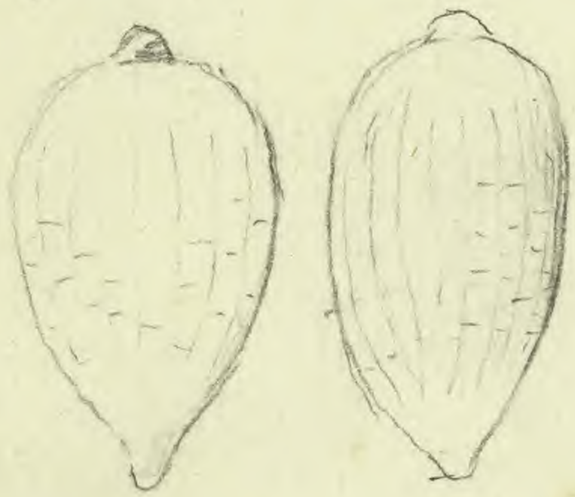
№ 48. Coues & Palmer, Fort Whipple, Arizona 1865



section of stem. x10 – partial

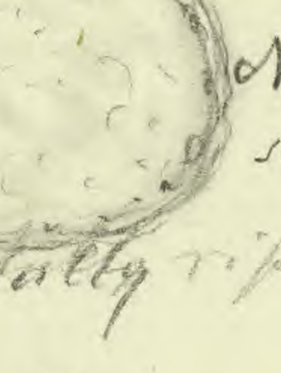
fully ripe seed

heads 3–5 flowered

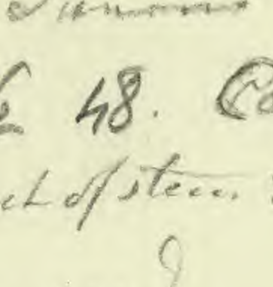


6–8 ribs visible

reticulation very indistinct sometimes

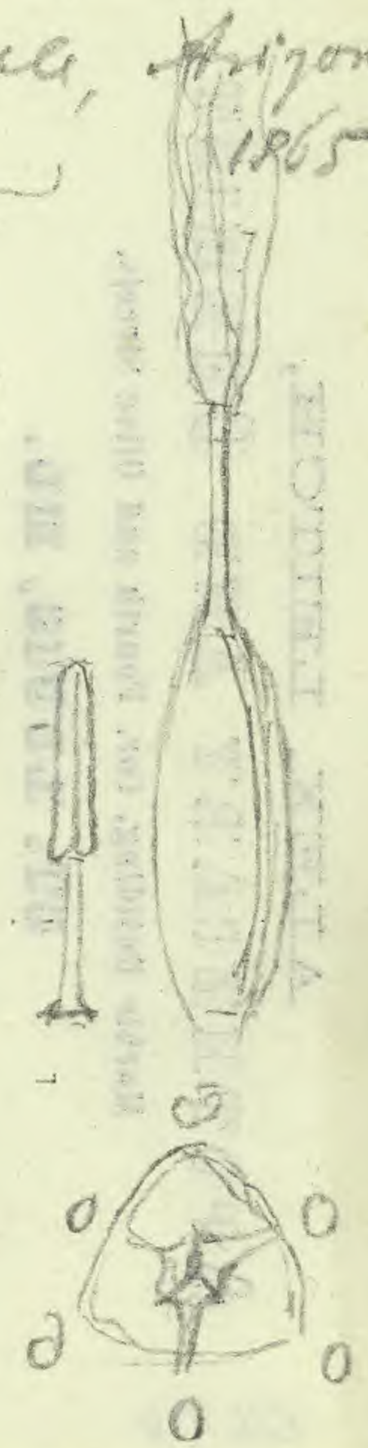


in ripest seeds?



perhaps not so ripe?

areae smooth



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J. Lehmannii, Meyer = Hô Hook = Castanea vulliday

Juncus Lehmanni Fisch.

J. stricta E. M.

Hudsons bay. determ. E. Meyer

Mrs is the label of a plant in Herb Buchanan which, he thinks, is a poor specimen of J. Congestylis.

Where do these names come from? Are they published?

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